

Title (en)

CATALYST FOR EXHAUST GAS PURIFICATION, AND METHOD FOR PRODUCING SAME

Title (de)

KATALYSATOR ZUR ABGASREINIGUNG UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)

CATALYSEUR POUR LA PURIFICATION D'UN GAZ D'ÉCHAPPEMENT, ET SON PROCÉDÉ DE PRODUCTION

Publication

**EP 2896455 A4 20150923 (EN)**

Application

**EP 13837394 A 20130906**

Priority

- JP 2012200629 A 20120912
- JP 2013074138 W 20130906

Abstract (en)

[origin: EP2896455A1] To provide an exhaust gas catalyst using a fired aluminum phosphate body with more excellent performance, and a method for producing it. (1) An exhaust gas purification catalyst comprising at least one platinum-group metal selected from the group consisting of Pt, Rh and Pd having a mean particle diameter of between 0.50 nm and 2.0 nm, supported on a tridymite-type fired aluminum phosphate body. (2) A method for producing an exhaust gas purification catalyst, comprising the steps of: firing aluminum phosphate obtained from an aqueous solution prepared to a pH of 3.5 to 4.5, at a temperature of between 1000°C and 1200°C for 2 hours or longer, to obtain a fired aluminum phosphate body, and supporting at least one type of platinum-group metal selected from the group consisting of Pt, Rh and Pd on the fired aluminum phosphate body.

IPC 8 full level

**B01J 27/185** (2006.01); **B01D 53/94** (2006.01); **B01J 23/42** (2006.01); **B01J 23/46** (2006.01); **B01J 32/00** (2006.01); **B01J 35/00** (2024.01); **B01J 37/08** (2006.01)

CPC (source: EP US)

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Citation (search report)

- [XYI] JP 2009018287 A 20090129 - MITSUBISHI CHEM CORP
- [XYI] MASATO MACHIDA ET AL: "AIPO 4 as a Support Capable of Minimizing Threshold Loading of Rh in Automotive Catalysts", CHEMISTRY OF MATERIALS, vol. 21, no. 9, 12 May 2009 (2009-05-12), pages 1796 - 1798, XP055147481, ISSN: 0897-4756, DOI: 10.1021/cm9005844
- See also references of WO 2014042099A1

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Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (application)

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